



PATENT ABSTRACTS OF JAPAN

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G01F 1/84(21) Application number: **08162490**(71) Applicant: **TOKICO LTD**(22) Date of filing: **04.06.96**(72) Inventor: **TAKAHASHI FUTOSHI**(54) **MASS FLOW RATE METER**

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent a vibration caused by the reaction occurring at an excitation coil of an exciter from propagation to a sensor tube.

SOLUTION: To supports 10 and 11 fixed to sensor tubes 4 and 5, a beam member 19 is fixed through O rings 20 and 21, and to a ring 33 fixed to the beam member 19, excitation coils 31c and 32c of exciters 31 and 32 are attached, and by attaching magnets 31b and 32b of the exciters 31 and 32 to the sensor tubes 4 and 5, the O rings 21 and 22 act as an elastic body which absorbs vibration, so that the vibration caused at the beam member 19 by the excitation coils 31c and 32c is prevented from propagated to the sensor tubes 4 and 5 through the supports 10 and 11.

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